



IDAHO DEPARTMENT
OF HEALTH AND WELFARE

DIVISION OF
ENVIRONMENTAL QUALITY

1410 North Hilton, Boise, ID 83706-1255, (208) 334-0502

Philip E. Batt, Governor

December 30, 1997

CERTIFIED MAIL #P 875 705 141

Les D. Lonning, Manager, Technical and Environmental Affairs
L.D. McFarland Company
P.O. Box 1496
Tacoma, Washington 98401-1496

RE: Modification of Tier II Operating Permit #017-00004
L.D. McFarland Company (Sandpoint)

Dear Mr. Lonning:

On October 16, 1997, the Idaho Department of Health and Welfare, Division of Environmental Quality (DEQ) received a letter from L.D. McFarland Company (McFarland) requesting a modification of the Tier II Operating Permit (OP), consisting of an increase in allowable production. On November 6, 1997, additional information was requested by DEQ to complete the modification analysis. On November 20, 1997, DEQ received a letter dated November 17, 1997, that contained additional information for the project and the responsible official's certification of the submitted information. On November 26, 1997, McFarland's application was declared complete.

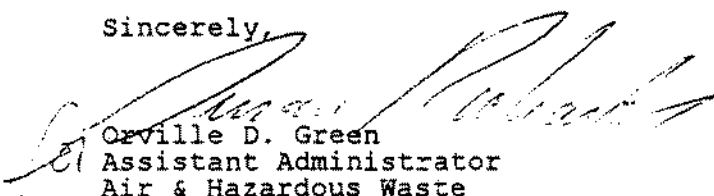
Based on review of your application, state and federal rules and regulations, DEQ finds this project meets the provisions of IDAPA 16.01.01.400 (Rules for the Control of Air Pollution in Idaho). Therefore, please find enclosed the modified Tier II OP (#017-00004) for the emission sources that exist at the facility. The enclosed pages supersede the original pages in your permit, and are effective December 30, 1997. Please replace those pages with those enclosed.

You, as well as any other entity, may have the right to appeal this final agency action pursuant to the Idaho Department of Health and Welfare Rules, Title 5, Chapter 3, "Rules Governing Contested Case Proceedings and Declaratory Rulings," by filing a petition with the Hearings Coordinator, Department of Health and Welfare, Administrative Procedures Section, 450 West State Street - 10th Floor, Boise, Idaho 83720-5450, within thirty-five (35) days of the date of this decision.

This Tier II OP action is subject to permit application fees of \$500.00 in accordance with IDAPA 16.01.01.470. McFarland's payment for the \$500.00 application fee was received on November 17, 1997.

If you have any questions regarding the terms or conditions of the enclosed permit, please contact Susan J. Richards, Chief, Air Quality Permitting Bureau, at (208) 373-0502.

Sincerely,


Orville D. Green
Assistant Administrator
Air & Hazardous Waste

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Enclosures

cc: G. Burr, Coeur d'Alene Regional Office
Source File

COF

AIR POLLUTION OPERATING PERMIT

PERMIT NUMBER

PERMITTEE AND LOCATION

L.D. McFarland Company
Thermal/Chemical Treatment Process for Poles
Sandpoint, Idaho

017 - 000004

The Permittee is hereby allowed to operate the equipment described herein subject to the emission limits and monitoring and reporting requirements specified in this permit.

SOURCE

Natural Gas Boiler

1. SOURCE DESCRIPTION

1.1 Process Description

Process preservative solution is heated by a single natural gas-fired boiler through closed-loop heat exchanger. Process oil (an oil/pesticide mixture of 95% Base Oil (P-9) and 5% pentachlorophenol) is heated to approximately 200 degrees Fahrenheit (200°F) to maximize penetration into poles during the treatment process.

1.2 Control Description

None; boiler emissions vent directly to the atmosphere.

1.3 Equipment Specifications1.3.1 Boiler Information:

1943 Kewanee Boiler (125 Horsepower)
Catalog Number: HT-125
Series IX
National Board Number: 13078
Working Pressure: 125 p.s.i.

Burner Information:

Garden Piatt Turbulator
Model Number: R12-G-30
Fuel: Natural Gas
Heat Input Range: 2.1 MM Btu/hr minimum to 6.72 MM Btu/hr maximum
Firing Rate: 6.5 MM Btu/hr

1.3.2 Stack parameters: Elevation of boiler stack is minimum of 6.1 meters high with stack diameter of 0.6 meters.

2. EMISSION LIMITS

- 2.1 Particulate Matter (PM) emissions from the boiler's stack shall not exceed 0.015 grains per dry standard cubic foot of effluent gas corrected to three percent (3%) oxygen by volume as required in IDAPA 16.01.01.577 (Rules for the Control of Air Pollution in Idaho).
- 2.2 Particulate matter with an aerodynamic diameter less than or equal to a nominal ten (10) micrometers emissions (PM-10) shall not exceed the pound per hour (lb/hr) and ton per year (T/yr) values listed in Appendix A.
- 2.3 Oxides of nitrogen (NO_x) emissions shall not exceed the lb/hr and T/yr values listed in Appendix A.
- 2.4 Carbon monoxide (CO) emissions shall not exceed the lb/hr and T/yr values listed in Appendix A.

Issued: December 30, 1997
Expires: July 7, 2000

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AIR POLLUTION OPERATING PERMIT

PERMIT NUMBER

PERMITTEE AND LOCATION

L.D. McFarland Company
Thermal/Chemical Treatment Process for Poles
Sandpoint, Idaho

017 - 00004

The Permittee is hereby allowed to operate the equipment described herein subject to the emission limits and monitoring and reporting requirements specified in this permit.

SOURCE

Natural Gas Boiler

- 2.5 Volatile organic compound (VOC) emissions shall not exceed the lb/hr and T/yr values listed in Appendix A.
- 2.6 Sulfur dioxide (SO₂) emissions shall not exceed the lb/hr and T/yr values listed in Appendix A.
- 2.7 Visible emissions shall not exceed twenty percent (20%) opacity for a period or periods aggregating more than three (3) minutes in any sixty (60) minute period as required by IDAPA 16.01.01.625 and using DEQ's "Procedures Manual for Air Pollution Control".

3. OPERATING REQUIREMENTS:

3.1 Maximum Throughput

The maximum daily throughput of natural gas through the boiler shall be limited to 107,520 standard cubic feet per day (scf/day). Maximum annual throughput of natural gas through the boiler shall be limited to 50.32 million standard cubic feet per year (scf/yr).

4. TESTING AND MONITORING REQUIREMENTS:

4.1 Throughput Log

The following information shall be recorded and maintained on site for the most recent two (2) year period.

- 4.1.1 Amount (cubic feet per month) of natural gas consumed by the boiler. Monthly invoices from the natural gas supplier may be used to fulfill this requirement.

5. REPORTING REQUIREMENTS

5.1 Throughput Log

Access to these records shall be granted to DEQ representatives upon request.

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SOURCE

Treatment Vats

3. OPERATING REQUIREMENTS

- 3.1 Maximum annual throughput of pole material treated in the vats shall not exceed 1,550,000 cubic feet per year (ft³/yr).

4. TESTING AND MONITORING REQUIREMENTS:

4.1 Throughput Log

The following information shall be recorded daily and maintained on site for the most recent two (2) year period.

- 4.1.1 Amount (tons per day) of treated poles (finished product) transported off-site

The amount (tons per day) is subject to the maximum annual throughput 1,550,000 ft³/yr according to the equation listed below:

$$\# \text{ Cubic Feet per Day} = \frac{(\# \text{ Tons shipped})}{\text{day}} * \frac{(2000 \text{ lb})}{\text{ton}} * \left(\frac{\pi * r^2}{32 \text{ lb}} \right)$$

5. REPORTING REQUIREMENTS

5.1 Throughput Log

Access to these records shall be granted to DEQ representatives upon request.

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APPENDIX A

L.D. McFarland Company

Emission Limits^a - Hourly (lb/hr) and Annual^b (T/yr)

Source Description	PM-10 ^c		NO _x		CO		VOCs		SO _x	
	(lb/hr)	(T/yr)	(lb/hr)	(T/yr)	(lb/hr)	(T/yr)	(lb/hr)	(T/yr)	(lb/hr)	(T/yr)
1. Log Peeler Fugitives	0.16	0.21	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
2. Woodwaste Cyclone	0.8	1.07	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
3. Natural Gas Boiler	0.08	0.30	0.67	2.5	0.14	0.53	0.026	0.096	0.004	0.015
4. Vehicle Fugitives	1.23	2.53	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

a As determined by a pollutant specific U.S. EPA reference method, or a DEQ approved alternative, or as determined by DEQ's emission estimation methods used in this permit analysis.

b As determined by multiplying the actual or allowable (if actual is not available) pound per hour emission rate by the allowable hours per year that the process(es) may operate(s), OR by actual annual production rates.

c Includes condensables.

N/A = Not Applicable